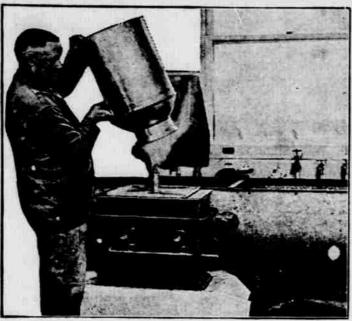
Helping the Meat and Milk Supply

(Special Information Service, U. S. Department of Agriculture.) A STEAM GERM-KILLER FOR SMALL DAIRIES



Placing a Milk Can Over the Home-Made Sterilizer-It Can Be Used on the

DEVICE INSURES CLEANSED MILI

Steam Destroys Disease Germs and Injurious Bacteria.

SMALL OUTFIT EASILY MADE box with sides three-eighths inch high.

Tests Show Five-Minute Treatment of Dairy Utensils Is Sufficient-Two-Burner Wickless Kerosene

Steam is the arch enemy of harmful But steam isn't the common method of sterilizing used in small dairies, because it is not always available. In farms are not often sterilized satisfactorily, and as a result diseases hide cover. Solder flanges beneath cover in milk and may be carried to many families. Washing milk cans and utensils, at least by the processes or-dinarily used, does not insure freedom from infection and contamina

for holding the upper galvanized iron box. On top of the cover solder also For \$10 or \$15 a simple steam sterlitzer, which will serve a small dairy, can be made in a short time. At that price—which includes a small kerosene stove—this sterilizer should be practical in any dairy from which cream or milk is sold. And the additional keeping qualities which the sterilization of utensils will give milk and cream probably will pay for the cost of the sterilizer in one season. For when utensils are treated with steem when utensils are treated with steam all bacteria or disease germs which may be in them are destroyed, and fore milk and cream when placed in these utensils will keep sweet much

This is the way to make a small States department of agriculture, who describe the process, say this sterilizer will be of greatest use to gallon or smaller cans, with a similar number of palls and a strainer cloth. It can be used, however, with a large number of cans. It is made of a roasting pan, a cover, a galvanized-iron box and a removable top to the box.

FOR \$10 TO \$15. SMALL DAIR-IES CAN HAVE STEAM STERILIZER.

er itself should not be more than \$8. If it is necessary to buy a small stove the cost will be \$4 or \$5 more. The materials used in it can be bought at prices about as follows: Roasting pan, 25 cents to \$1, depending on the grade of iron. The galvanized iron with asbestos and con-struction work should not cost than \$7, and the work can be done by any tinner. A twocosts from \$4 to \$5; but in many cases it will not be necessary to purchase a store. The details of making the sterilizer and sug-gestions as to how it should be cribed in Farmtied are described in Farm-Bulletin 748 of the United a department of agricul-

on idea that gelatine is only used as a light dessert, however there are countless

WAYS WITH GELATINE.

ways of serving it The following are a few: Meat Loaf,-Sonk one package of gelatine in a cupful of cold water five minutes, add the

stock, chicken or other broth, strain the potato. Dredge a fourth of a cup and pour in the gelatine after the flav- of shredded citron and a cupful of or has been cooked out of the vege-tables. Put into a mold and when be-spoonfuls and mixing it with the rest ginning to set add a pint of cooked Pour into a mold and steam three meat finely chopped. When firm, slice hours. Serve with a hard sauce. A and serve on a platter garnished with tenspoonful of baking powder sifted cress or parsley.

Juice and add to a mayonnaise dress- should be used as usual, however, ing to thicken it.

over to this is close fitting and insulated. Upon this is placed the galvelope of gelatine in half a cupful of with a little water for ten minutes. wanized-iron box with its removable cold water five minutes. Make a sirup top. The insulated cover is made as by boiling one cupful of sugar in one crackers, add two beaten eggs, stir in follows: Take a sheet of heavy galvanized iron and cut it large enough to allow it to project three-fourths inch over the edge of the pan. Bend the edges of the pan. Bend the edges or the pan a challow. the edge of the pan. Bend the edges orange juice of the sheet so as to form a shallow bet glasses.

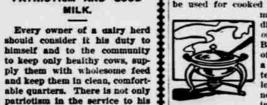
Gelatine to be good should be absolutely tasteless and uniform in strength. A jelly should be just stiff enough to hold its shape when turned out of the mold, yet soft enough to quiver, with the movement of the dish Then cut out a cover for the shallow box. Cut a hole one and one-half inch in dismeter in the center, through the top and bottom, of the small box. Iron braces should be placed crosswise of

the box to strengthen it. Then fill the shallow box completely with paprunes, cover with water and soak sev-eral hours; then put them water and per or asbestos sheets, after which the top is carefully soldered on, care belog taken to make the seams absolutely tight. Solder a round, galvanized iron pipe, four and one-half inches long and one and one-half inches long and one and one-half inches long and one and one-half inches in diameter in the hole in the center of the cover. Solder flanges beneath cover a steve. Crack a few of the stones, blanch the kernels and odd the minutes. Serve with hard sauce. This pudding may be baked. If a light coating of flour is sifted over the top a delicious brown crust will be formed in baking. A half cupful of raisins will be a great addition to this pudding. blanch the kernels and add them to so that they will meet the edge of the roasting pan, thus making a tight the pulp. Add the gelatine, pulp and fruit juices and stir occasionally until cover. On the top of the insulated cover solder strong folded galvanized-iron strips, three-eighths inch high, to nearly cold. Decorate with shredded almonds and set away until firm.

The union of lakes, the union of lands, the union of states none can sever The union of hearts, the union of hands, and the Flag of our Union forever!

PALATABLE DISHES.

coarser stalks of celery may used for cooked celery, making a



form a square 15 inches by 15 inches.

four strips of stiff, galvanized-iron eight inches long and three-eighths inch

PATRIOTISM AND GOOD

MILK.

ply them with wholesome feed and keep them in clean, comfort-

able quarters. There is not only patriotism in the service to his

profit.

The milkers and all who han-

and should, therefore, take all

reasonable precautions to pre-vent the milk from becoming a

source of danger to themselves

and to others.

The consumer should understand that clean, safe milk is

worth more and its production costs more than milk which con-tains dirt and disease germs;

therefore he should be willing to pay more for it than for dirty milk, which is dear at any price.

corners to one inch from the steam out-

let in the center.

The galvanized-iron box has no bot-

most wholesome or luncheon dish. Boil three cupfuls of cut-up celery in a little salted wa-ter until tender, allowing It to steam

ing until all is used. Cover with but-tered crumbs and grated cheese, bake Mock die the milk should resilze that they have in their charge a food until the crumbs are brown.

Rich Oyster Stew-Rub the Inside garlic and a slice of onion, do not althree tablespoonfuls of butter, add one and a half tablespoonfuls of flour, stir and cook until smooth, then add one one and three-fourths pint of milk. When it is boiling hot add the oysters which have been parbolled three min-

scald them. Simmer for three hours in salted water. Add a fourth of a eighths inch above the cover and run pound of sliced salt pork and boil for an hour longer. Then add two cupfuls of diced potatoes, two sliced onions. The galvanized-iron box has no bottom but fits in the square formed by the four strips on the cover. The box is 11 inches high. Inside it, three-fourths inch from the top and one-half inch from one side, a stiff wire should be riveted and soldered. It is screetimes desirable to re-enforce the box at each corner with angle iron six inches long and sne-half inch wide, riveted half-way up the side.

Kerosene Stove Used. one cupful each of diced carrots and turnips. Cook until the vegetables are tender then add a half cupful of barley, which has been soaked and cooked until soft. Season to taste with

and gne-half inch wide, riveted half-way up the side.

Kerosone Stove Used.

In the department of agriculture's tests of the outfit described a two-burner wickless kerosone stove was used with excellent results. The ster-flizer, however, may be placed on the hitchen stove or over any o'her source of heat, such as a gas, gasoline, or laundry Brove, which burns either wood or coal. Good results also are obtained at very little cost by building under the steriliser a small brick formace 12 inches high. It is necessary to have sufficient heat to furnish steams at the end of the outlet pipe at least 205 degrees Fahrenheit, and 210 to 211 degrees Fahrenheit should be obtained if possible.

The flour and corn, add the well-beaten whites of two eggs. Put into well-spread of cheese to cover the bacon well. Sprinkle with paprika, cover the fry-latent the turn-lead of the turn them and lay on a silce of cheese to cover the bacon well. Sprinkle with paprika, cover the fry-latent the turn-lead of the star back with paprika, cover the fry-latent the turn-lead of the bacon is done. The cheese will then be melted and crisp at the flour and corn, add the well-beaten whites of two eggs. Put into well-spread of the star latent the turn-lead of the bacon well. Sprinkle with paprika, cover the fry-latent the turn-lead of the bacon is done. The cheese will then be melted and crisp at the flour and corn, add the well-beaten whites of two eggs. Put into well-sprinkle with paprika, cover the fry-latent the turn-lead of the star latent with the bacon will the turn-lead of the star latent with the star latent white of the star latent white of the flour and corn, add the well-beaten white of two eggs. Put into well-sprinkle with the turn-lead of the star latent white

SEASONABLE PUDDINGS.

or suggestive: California Pudding. - Crenm n half cupful of but-

ter substitute, with one cupful of brown sugar: add one ground raw pota-to, carrot and apfive minutes, add the ple; then a cupful julces of a lemon. Add of flour mixed with a tenspoonful of

an onion grated, a stalk cinnamon, a half teaspoonful of cloves of celery chopped, to a pint of rich and a teaspoonful of soda mixed with Sonk a tenspoonful of gelatine in a to the batter will keep it from sink small quantity of vinegar or lemon ing to the bottom of the mold. Flour

Apple Cracker Pudding-Crumble Lemon jelly made from lemon juice, six large milk crackers into a pudding The roasting-pan is of standard size, water and gelatine, cut in cubes makes dish; pour over these enough cold water and 3 inches wide—top measurement—and 3 inches deep. The chicken. medium-sized apples, cut in halves, re-Grape Sherbet.-Sonk half an en- move the core and put them on to stew and bake in a slow oven until firm and

quiver, with the movement of the dish. and a cupful of chopped suct. Cook Prune Jelly.—Wash a half pound of ten minutes, cool and add three eggs

Attend the end, and never stand in doubt. Nothing's so hard but search will find

ECONOMICAL DISHES.

The tough ends of steak or bits of eft-over may be used most acceptably in the following: Chill Con Carne.-Cut

up the left-over steak and put a layer of the ment in a casserole, sprinkle with chopped onlon a few spoonfuls onion, a few spoonfuls of kidney beans and a layer of canned tomatoes, sensoning each layer with sait and chili pepper. Repeat until the casse

nearly dry. Put it into a buttered bakpatrons which results from such ing dish in layers with a cupful and a little flour and butter, cover and half of rich while such a little flour and butter, cover and half of rich while such as half of rich whi

Mock Terrapin Parboil a pound of beef liver, cut in slices for five minutes, then drain and brown in bacon of the stew pan with a cut clove of fat. Chop in small pleces put back into the pan and add a quarter of a tenspoonful of dry mustard, sait and pepper to taste, a few drops of worcestershire sauce and boiling water if needed. Boil up, thicken with flour blended with butter, using a table spoonful of each. Add a har egg, finely chopped, and a few drop of lemon Juice. Canned Corn on Toast.—To each

seasoning of salt and pepper to taste.

Stewed Beans With Vegetables.—
Soak a cupful of beans over night and in the morning add a pinch of soda and in the morning add a pinch to tonst. Cook slowly for five minutes. Meanwhile tonst a slice of bread for each person and fry two slices of ba-con for each. Pour the prepared corn over the toast from which the crusts have been removed. Serve with the

Yorkshire Corn Pudding.—Put Into a mixing bowl a cupful of canned corn, three-fourths of a cupful of milk, add two well-besten egg yolks. Into another bowl sift a cupful of flour with three teaspoonfuls of baking powder and a half teaspoonful of salt, mix together the flour and corn, add the well-beaten

CHILDREN GREET AMERICAN MARINES IN FRANCE



Truckload of American marines on a road in France, greeted by the children with cheers and bouquets

AMERICAN RED CROSS AMBULANCES AID ITALIANS



The American Red Cross ambulances that were sent to Italy to help the Italian forces have arrived at the Fron-This photograph, which has just arrived in this country, shows the ambulances crossing the Piazza del Duomo in

MISS BLANCHE GEARY



Paris during this war have now a hotel of their own where they can stop. The Y. W. C. A. has opened the Hotel Petrograd especially for their comfort and placed Miss Blanche Geary in charge as manager. Miss Geary is well fitted for the task, for she is the building construction expert of the Y. W. C. A. Before going abroad for the association she superintended the contracts for the Y. W. C. A. hostess houses at Platisburg, Fort Worth, Tex.; Fort Riley and Army City, Kan.; 7awton, Okia., and Allentown, Pa.

Three wildcats tied up operations at the mines of the Abel (Pa.) Coal com-pany and incidentally cut down the

production 200 tons.

The animals had been prowling about the mines for a week or more, and on one morning, the heavy white frost on the ground showed the miners that the cats had gone into the mines.

There was no evidence of their having come out, and the miners assembled at the entrance and sent some of the men to get suns.

On account of the unusual condi-dons existing in the mines it was late before the last cat was killed. No coal

MAKING PICTURES UNDER SHELL FIRE



When you pick up one of the many publications which print war photo graphs and see startling pictures of actual fighting at the front, or when you see real battle scenes on the screen, very rarely do you think of the hazard the photographers run who make the photographs. This picture shows French photographic operators working near the front lines within the range of enemy fire. The smoke from an exploded shell can be seen. The men in the photographic division who make the photographs for war records and for the intelligence bureau are in as much danger as the men in the trenches.

THE GRIM HARVEST OF WAR

